

WEST Search History

DATE: Friday, June 11, 2004

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L21	5592088 or 5548218	27
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<input type="checkbox"/>	L19	l12 not l14	11
<input type="checkbox"/>	L18	l14 not l15	10
<input type="checkbox"/>	L17	9837438	2
<input type="checkbox"/>	L16	L15 and (overlap\$4 or over-lap\$4)	23
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<input type="checkbox"/>	L12	L11 and (highpass or high-pass or "high pass" or HP or LP or "low pass" or low-pass or lowpass or bandpass or band-pass or BP or "band pass" or "band stop" or bandstop or band-stop or BS)	53
<input type="checkbox"/>	L11	L10 and (birdcade or "bird cage" or bird-cage or solenoid\$4 or Alderman or Grant or resonator or (transverse with electromagnetic) or TEM or saddle or CRC or (counter with rotating) or Helmholtz or surface or local or loop or ring or volume)	63
<input type="checkbox"/>	L10	L9 and (identic\$4 or equivalent\$2 or mirror\$3 or symmetrical\$3 or symmetry or geometry or ("same" with dimension))	63
<input type="checkbox"/>	L9	L8 and ((separat\$3 or isolat\$4 or decoupl\$4 or de-coupl\$4) with coil)	68
<input type="checkbox"/>	L8	L7 and ((first or second or third or primary or secondary or tertiary) with coil)	75
<input type="checkbox"/>	L7	L6 and ((simultaneous\$3 or "at the same time" or ("same" with time)) with coil)	99
<input type="checkbox"/>	L6	L5 and ((independent\$3 or separat\$3 or individual\$3 or respectiv\$3) with coil)	209
<input type="checkbox"/>	L5	L4 and (independent\$3 or separat\$3 or individual\$3 or respectiv\$3)	310
<input type="checkbox"/>	L4	L3 and (simultaneous\$3 or "at the same time" or ("same" with time))	314
<input type="checkbox"/>	L3	L2 and (drive or driving or driven or ((power\$3 or suppl\$3) with coil))	457
<input type="checkbox"/>	L2	L1 and (field-of-view or "field of view" or FOV)	660
<input type="checkbox"/>	L1	((RF or (radio adj frequency) or radiofrequency or radio-frequency) with (coil or array))	28101

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 23 of 23 returned.

☐ 1. Document ID: US 20040090233 A1

Using default format because multiple data bases are involved.

L16: Entry 1 of 23

File: PGPB

May 13, 2004

PGPUB-DOCUMENT-NUMBER: 20040090233

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040090233 A1

TITLE: Circuit for selectively enabling and disabling coils of a multi-coil array

PUBLICATION-DATE: May 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Belt, Kenneth W.	Fort Atkinson	WI	US	
Reichel, Michael	Pittsburgh	PA	US	
Watral, J. Michael	Freeport	PA	US	
Lewandowski, Stanley R.	Cheswick	PA	US	
Adams, Bradley J.	West Leechburgh	PA	US	
Augustine, Lisa A.	Natrona Heights	PA	US	
Bell, Robert S. JR.	Pittsburgh	PA	US	

US-CL-CURRENT: [324/322](#); [324/318](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	NMC	Draw D
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☐ 2. Document ID: US 20040090232 A1

L16: Entry 2 of 23

File: PGPB

May 13, 2004

PGPUB-DOCUMENT-NUMBER: 20040090232

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040090232 A1

TITLE: Interface for coupling an array of coils to a magnetic resonance imaging system

PUBLICATION-DATE: May 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Belt, Kenneth W.	Fort Atkinson	WI	US	
Reichel, Michael	Pittsburgh	PA	US	
Watral, J. Michael	Freeport	PA	US	
Lewandowski, Stanley R.	Cheswick	PA	US	
Adams, Bradley J.	West Leechburg	PA	US	
Augustine, Lisa A.	Natrona Heights	PA	US	
Bell, Robert S. JR.	Pittsburgh	PA	US	

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	WMO	Draw Ds
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☐ 3. Document ID: US 20030117140 A1

L16: Entry 3 of 23

File: PGPB

Jun 26, 2003

PGPUB-DOCUMENT-NUMBER: 20030117140
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030117140 A1

TITLE: Peripheral vascular array

PUBLICATION-DATE: June 26, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Belt, Kenneth W.	Fort Atkinson	WI	US	
Reichel, Michael	Pittsburgh	PA	US	
Watral, J. Michael	Freeport	PA	US	
Lewandowski, Stanley R.	Cheswick	PA	US	
Adams, Bradley J.	West Leechburg	PA	US	
Augustine, Lisa A.	Natrona Heights	PA	US	
Bell, Robert S. JR.	Pittsburgh	PA	US	

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	WMO	Draw Ds
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☐ 4. Document ID: US 20030067301 A1

L16: Entry 4 of 23

File: PGPB

Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030067301
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030067301 A1

TITLE: Peripheral vascular array

PUBLICATION-DATE: April 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Belt, Kenneth W.	Fort Atkinson	WI	US	
Reichel, Michael	Pittsburgh	PA	US	
Watral, J. Michael	Freeport	PA	US	
Lewandowski, Stanley R.	Cheswick	PA	US	
Adams, Bradley J.	West Leechburg	PA	US	
Augustine, Lisa A.	Natrona Heights	PA	US	
Bell, Robert S. JR.	Pittsburgh	PA	US	

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 5. Document ID: US 20030062897 A1

L16: Entry 5 of 23

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030062897
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030062897 A1

TITLE: Peripheral vascular array

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Belt, Kenneth W.	Fort Atkinson	WI	US	
Reichel, Michael	Pittsburgh	PA	US	
Watral, J. Michael	Freeport	PA	US	
Lewandowski, Stanley R.	Cheswick	PA	US	
Adams, Bradley J.	West Leechburg	PA	US	
Augustine, Lisa A.	Natrona Heights	PA	US	
Bell, Robert S. JR.	Pittsburgh	PA	US	

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 6. Document ID: US 20020180442 A1

L16: Entry 6 of 23

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020180442
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020180442 A1

TITLE: MAGNETIC RESONANCE IMAGING COIL ARRAYS WITH SEPARABLE IMAGING COIL ELEMENTS

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Vij, Kamal	Chandler	AZ	US	

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	NMC	Drawings
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☐ 7. Document ID: US 20020153894 A1

L16: Entry 7 of 23

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020153894

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020153894 A1

TITLE: Peripheral vascular array

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Belt, Kenneth W.	Fort Atkinson	WI	US	
Reichel, Michael	Pittsburgh	PA	US	
Watral, J. Michael	Freeport	PA	US	
Lewandowski, Stanley R.	Cheswick	PA	US	
Adams, Bradley J.	West Leechburg	PA	US	
Augustine, Lisa A.	Natrona Heights	PA	US	
Bell,, Robert S. JR.	Pittsburgh	PA	US	

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	NMC	Drawings
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☐ 8. Document ID: US 20010045832 A1

L16: Entry 8 of 23

File: PGPB

Nov 29, 2001

PGPUB-DOCUMENT-NUMBER: 20010045832

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010045832 A1

TITLE: PERIPHERAL VASCULAR ARRAY

PUBLICATION-DATE: November 29, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
BELT, KENNETH W.	FORT ATKINSON	WI	US	
REICHEL, MICHAEL	PITTSBURGH	PA	US	
WATRAL, J. MICHAEL	FREEPORT	PA	US	

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Drawings
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☐ 9. Document ID: US 6747454 B2

L16: Entry 9 of 23

File: USPT

Jun 8, 2004

US-PAT-NO: 6747454

DOCUMENT-IDENTIFIER: US 6747454 B2

TITLE: Array of coils for use in imaging the vasculature of a patient

DATE-ISSUED: June 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Belt; Kenneth W.	Fort Atkinson	WI		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Drawings
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☐ 10. Document ID: US 6737866 B2

L16: Entry 10 of 23

File: USPT

May 18, 2004

US-PAT-NO: 6737866

DOCUMENT-IDENTIFIER: US 6737866 B2

TITLE: Method of imaging a vasculature of a patient

DATE-ISSUED: May 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Belt; Kenneth W.	Fort Atkinson	WI		
Reichel; Michael	Pittsburgh	PA		
Watral; J. Michael	Freeport	PA		
Lewandowski; Stanley R.	Cheswick	PA		
Adams; Bradley J.	West Leechburg	PA		
Augustine; Lisa A.	Okauchee	WI		
Bell, Jr.; Robert S.	Pittsburgh	PA		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	K/MC	Draw D
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☐ 11. Document ID: US 6714012 B2

L16: Entry 11 of 23

File: USPT

Mar 30, 2004

US-PAT-NO: 6714012

DOCUMENT-IDENTIFIER: US 6714012 B2

TITLE: Apparatus and method for positioning a patient to obtain images of the vasculature

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Belt; Kenneth W.	Fort Atkinson	WI		
Reichel; Michael	Pittsburgh	PA		
Watral; J. Michael	Freeport	PA		
Lewandowski; Stanley R.	Cheswick	PA		
Adams; Bradley J.	W. Leechburg	PA		
Augustine; Lisa A.	Okauchee	WI		
Bell, Jr.; Robert S.	Pittsburgh	PA		

US-CL-CURRENT: 324/318; 324/322, 600/421

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	K/MC	Draw D
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☐ 12. Document ID: US 6677755 B2

L16: Entry 12 of 23

File: USPT

Jan 13, 2004

US-PAT-NO: 6677755

DOCUMENT-IDENTIFIER: US 6677755 B2

TITLE: Circuit for selectively enabling and disabling coils of a multi-coil array

DATE-ISSUED: January 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Belt; Kenneth W.	Fort Atkinson	WI		
Reichel; Michael	Pittsburgh	PA		
Watral; J. Michael	Stow	PA		
Lewandowski; Stanley R.	Cheswick	PA		
Adams; Bradley J.	West Leechburg	PA		
Augustine; Lisa A.	Natrona Heights	PA		

Bell, Jr.; Robert S. Pittsburgh PA

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NUMC	Draw. De
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☐ 13. Document ID: US 6498489 B1

L16: Entry 13 of 23

File: USPT

Dec 24, 2002

US-PAT-NO: 6498489

DOCUMENT-IDENTIFIER: US 6498489 B1

TITLE: Magnetic resonance imaging coil arrays with separable imaging coil elements

DATE-ISSUED: December 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vij; Kamal	Chandler	AZ	85226	

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NUMC	Draw. De
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☐ 14. Document ID: US 6323648 B1

L16: Entry 14 of 23

File: USPT

Nov 27, 2001

US-PAT-NO: 6323648

DOCUMENT-IDENTIFIER: US 6323648 B1

TITLE: Peripheral vascular array

DATE-ISSUED: November 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Belt; Kenneth W.	Fort Atkinson	WI		
Reichel; Michael	Pittsburgh	PA		
Watral; J. Michael	Freeport	PA		
Lewandowski; Stanley R.	Cheswick	PA		
Adams; Bradley J.	West Leechburg	PA		
Augustine; Lisa A.	Natrona Heights	PA		
Bell, Jr.; Robert S.	Pittsburgh	PA		

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NUMC	Draw. De
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☐ 15. Document ID: US 6150816 A

L16: Entry 15 of 23

File: USPT

Nov 21, 2000

US-PAT-NO: 6150816

DOCUMENT-IDENTIFIER: US 6150816 A

TITLE: Radio-frequency coil array for resonance analysis

DATE-ISSUED: November 21, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Srinivasan; Ravi	Richmond Heights	OH		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KimC	Draw Ds
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☐ 16. Document ID: US 5999000 A

L16: Entry 16 of 23

File: USPT

Dec 7, 1999

US-PAT-NO: 5999000

DOCUMENT-IDENTIFIER: US 5999000 A

TITLE: Radio-frequency coil and method for resonance imaging/analysis

DATE-ISSUED: December 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Srinivasan; Ravi	Richmond Heights	OH		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KimC	Draw Ds
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☐ 17. Document ID: US 5964705 A

L16: Entry 17 of 23

File: USPT

Oct 12, 1999

US-PAT-NO: 5964705

DOCUMENT-IDENTIFIER: US 5964705 A

TITLE: MR-compatible medical devices

DATE-ISSUED: October 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Truwit; Charles L.	Wayzata	MN		
Liu; Haiying	Minneapolis	MN		

US-CL-CURRENT: 600/423; 324/318, 600/13

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 18. Document ID: US 5886548 A

L16: Entry 18 of 23

File: USPT

Mar 23, 1999

US-PAT-NO: 5886548

DOCUMENT-IDENTIFIER: US 5886548 A

TITLE: Crescent gradient coils

DATE-ISSUED: March 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Doty; F. David	Columbia	SC		
Wilcher; James K.	Columbia	SC		

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 19. Document ID: US 5777474 A

L16: Entry 19 of 23

File: USPT

Jul 7, 1998

US-PAT-NO: 5777474

DOCUMENT-IDENTIFIER: US 5777474 A

TITLE: Radio-frequency coil and method for resonance imaging/analysis

DATE-ISSUED: July 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Srinivasan; Ravi	Richmond Heights	OH		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 20. Document ID: US 5666055 A

L16: Entry 20 of 23

File: USPT

Sep 9, 1997

US-PAT-NO: 5666055

DOCUMENT-IDENTIFIER: US 5666055 A

TITLE: Surface coil system for a single channel NMR receiver

DATE-ISSUED: September 9, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jones; Randall W.	Elkhorn	NE	68022	
Davis; Fred	LaVista	NE	68128	

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 21. Document ID: US 5554929 A

L16: Entry 21 of 23

File: USPT

Sep 10, 1996

US-PAT-NO: 5554929

DOCUMENT-IDENTIFIER: US 5554929 A

TITLE: Crescent gradient coils

DATE-ISSUED: September 10, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Doty; F. David	Columbia	SC		
Wilcher; James K.	Columbia	SC		

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 22. Document ID: US 4947121 A

L16: Entry 22 of 23

File: USPT

Aug 7, 1990

US-PAT-NO: 4947121

DOCUMENT-IDENTIFIER: US 4947121 A

**** See image for Certificate of Correction ****

TITLE: Apparatus and method for enhanced multiple coil nuclear magnetic resonance (NMR) imaging

DATE-ISSUED: August 7, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hayes; Cecil E.	Wauwatosa	WI		

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawings
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☐ 23. Document ID: US 4825162 A

L16: Entry 23 of 23

File: USPT

Apr 25, 1989

US-PAT-NO: 4825162

DOCUMENT-IDENTIFIER: US 4825162 A

**** See image for Certificate of Correction ****TITLE: Nuclear magnetic resonance (NMR) imaging with multiple surface coils

DATE-ISSUED: April 25, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Roemer; Bernard	Schenectady	NY		
Edelstein; William A.	Schenectady	NY		

US-CL-CURRENT: 324/318; 324/312

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawings
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OVERLAP	384606
OVERLAPA	15
OVERLAPABLE	25
OVERLAPABL6	1
OVERLAPAD	1
OVERLAPADD	3
OVERLAPADH	1
OVERLAPAIAD	1
OVERLAPAIID	1
OVERLAPAIL	1

(L15 AND (OVERLAP\$4 OR OVER- 1AP\$4)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	23
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Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: WO 9837438 A1

Using default format because multiple data bases are involved.

L17: Entry 1 of 2

File: EPAB

Aug 27, 1998

PUB-NO: WO009837438A1

DOCUMENT-IDENTIFIER: WO 9837438 A1

TITLE: RADIO-FREQUENCY COIL ARRAY FOR RESONANCE ANALYSIS

PUBN-DATE: August 27, 1998

INVENTOR-INFORMATION:

NAME

COUNTRY

SRINIVASAN, RAVI

INT-CL (IPC): G01 V 3/00

EUR-CL (EPC): G01R033/341; G01R033/3415

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMC	Draw
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☐ 2. Document ID: WO 9837438 A1, AU 9861827 A, US 6150816 A

L17: Entry 2 of 2

File: DWPI

Aug 27, 1998

DERWENT-ACC-NO: 1998-467743

DERWENT-WEEK: 199840

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TITLE: Radio-frequency coil array for resonance e.g. magnetic analysis - provides new combination of integrated but isolated coil structures, yet maintaining preferred current distribution and mode orientation

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMC	Draw
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Term	Documents
"9837438"	2
9837438S	0

"9837438".PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2
(9837438).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2

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Search Results - Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 20040044280 A1

Using default format because multiple data bases are involved.

L18: Entry 1 of 10

File: PGPB

Mar 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040044280

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040044280 A1

TITLE: Methods & apparatus for magnetic resonance imaging

PUBLICATION-DATE: March 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Paley, Martyn	Keighly		GB	
Lee, Kuan	Sheffield		GB	

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw Dg
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☐ 2. Document ID: US 20030184294 A1

L18: Entry 2 of 10

File: PGPB

Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030184294

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030184294 A1

TITLE: Multiple channel, neuro vascular array coil for magnetic resonance imaging

PUBLICATION-DATE: October 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Boskamp, Eddy Benjamin	Menomonee	WI	US	
Lorbiecki, John E.	Hubertus	WI	US	
Blawat, LeRoy Raymond II	Milwaukee	WI	US	

US-CL-CURRENT: 324/318; 324/309, 600/411

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 3. Document ID: US 20020165447 A1

L18: Entry 3 of 10

File: PGPB

Nov 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020165447
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020165447 A1

TITLE: Switchable field of view apparatus and method for magnetic resonance imaging

PUBLICATION-DATE: November 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Boskamp, Ed <u>B.</u>	Menomonee Falls	WI	US	
Weyers, Daniel J.	Wauwatosa	WI	US	

US-CL-CURRENT: 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 4. Document ID: US 20020149367 A1

L18: Entry 4 of 10

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020149367
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020149367 A1

TITLE: Switchable FOV coil assembly having end saddle coils

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Boskamp, Ed <u>B.</u>	Menomonee Falls	WI	US	
Weyers, Daniel J.	Wauwatosa	WI	US	

US-CL-CURRENT: 324/318; 324/307, 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 5. Document ID: US 20010043068 A1

L18: Entry 5 of 10

File: PGPB

Nov 22, 2001

PGPUB-DOCUMENT-NUMBER: 20010043068
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010043068 A1

TITLE: Method for parallel spatial encoded MRI and apparatus, systems and other methods related thereto

PUBLICATION-DATE: November 22, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lee, Ray F.	Clifton-Park	NY	US	

US-CL-CURRENT: 324/309; 324/307, 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw De
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☐ 6. Document ID: US 6590392 B2

L18: Entry 6 of 10

File: USPT

Jul 8, 2003

US-PAT-NO: 6590392
DOCUMENT-IDENTIFIER: US 6590392 B2

TITLE: Switchable FOV coil assembly having end saddle coils

DATE-ISSUED: July 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boskamp; Ed B.	Menomonee Falls	WI		
Weyers; Daniel J.	Wauwatosa	WI		

US-CL-CURRENT: 324/318; 324/307, 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw De
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☐ 7. Document ID: US 6487436 B1

L18: Entry 7 of 10

File: USPT

Nov 26, 2002

US-PAT-NO: 6487436
DOCUMENT-IDENTIFIER: US 6487436 B1

TITLE: Switchable field of view apparatus and method for magnetic resonance imaging

DATE-ISSUED: November 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Boskamp; Ed B. Menomonee Falls WI
Weyers; Daniel J. Wauwatosa WI

US-CL-CURRENT: 600/422; 324/313, 324/318, 600/415

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 8. Document ID: US 6476606 B2

L18: Entry 8 of 10

File: USPT

Nov 5, 2002

US-PAT-NO: 6476606

DOCUMENT-IDENTIFIER: US 6476606 B2

TITLE: Method for parallel spatial encoded MRI and apparatus, systems and other methods related thereto

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Ray F	Clifton-Park	NY		

US-CL-CURRENT: 324/309; 324/307, 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 9. Document ID: US 6326786 B1

L18: Entry 9 of 10

File: USPT

Dec 4, 2001

US-PAT-NO: 6326786

DOCUMENT-IDENTIFIER: US 6326786 B1

TITLE: Magnetic resonance imaging method and apparatus

DATE-ISSUED: December 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pruessmann; Klaas P.	Zurich			CH
Weiger; Markus	Dietikon			CH
Scheidegger; Markus B.	Bisikon			CH
Boesiger; Peter	Ennetbaden			CH

US-CL-CURRENT: 324/312; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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10. Document ID: US 5488299 A

L18: Entry 10 of 10

File: USPT

Jan 30, 1996

US-PAT-NO: 5488299

DOCUMENT-IDENTIFIER: US 5488299 A

TITLE: Nuclear magnetic resonance imaging with improved image quality and operation efficiency

DATE-ISSUED: January 30, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kondo; Masafumi	Tochigi			JP
Kawamoto; Hiromi	Tochigi			JP

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. Doc.
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
(14 NOT 15).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	10
(L14 NOT L15).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	10

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☐ 1. Document ID: US 20030216636 A1

Using default format because multiple data bases are involved.

L19: Entry 1 of 11

File: PGPB

Nov 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030216636

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030216636 A1

TITLE: Methods and apparatus for magnetic resonance imaging

PUBLICATION-DATE: November 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Paley, Martyn	West Yorkshire		GB	
Lee, Kuan	South Yorkshire		GB	

US-CL-CURRENT: 600/410

Full	Title	Creation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw Dc
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☐ 2. Document ID: US 20030069495 A1

L19: Entry 2 of 11

File: PGPB

Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030069495

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030069495 A1

TITLE: Apparatus and method for magnetic resonance imaging employing partially parallel acquisition

PUBLICATION-DATE: April 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Agrikola, Juergen	Eltmann		DE	

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawings
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☐ 3. Document ID: US 6734673 B2

L19: Entry 3 of 11

File: USPT

May 11, 2004

US-PAT-NO: 6734673

DOCUMENT-IDENTIFIER: US 6734673 B2

TITLE: Apparatus and method for magnetic resonance imaging employing partial parallel acquisition with formation of signal combinations and solving of an equation system based thereon

DATE-ISSUED: May 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Agrikola; Juergen	Eltmann			DE

US-CL-CURRENT: 324/318; 324/307, 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawings
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☐ 4. Document ID: US 6564082 B2

L19: Entry 4 of 11

File: USPT

May 13, 2003

US-PAT-NO: 6564082

DOCUMENT-IDENTIFIER: US 6564082 B2

TITLE: Method for incremental field-of-view-MR imaging

DATE-ISSUED: May 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zhu; Yudong	Clifton Park	NY		

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawings
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☐ 5. Document ID: US 6104943 A

L19: Entry 5 of 11

File: USPT

Aug 15, 2000

US-PAT-NO: 6104943

DOCUMENT-IDENTIFIER: US 6104943 A

TITLE: Phased array echoplanar imaging system for fMRI

DATE-ISSUED: August 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Frederick; Blaise deB.	Lexington	MA		
Wald; Lawrence	Cambridge	MA		
Renshaw; Perry F.	Arlington	MA		

US-CL-CURRENT: 600/410; 324/309, 324/318, 600/421

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 6. Document ID: US 5928145 A

L19: Entry 6 of 11

File: USPT

Jul 27, 1999

US-PAT-NO: 5928145

DOCUMENT-IDENTIFIER: US 5928145 A

TITLE: Method of magnetic resonance imaging and spectroscopic analysis and associated apparatus employing a loopless antenna

DATE-ISSUED: July 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ocali; Ogan	Baltimore	MD		
Atalar; Ergin	Columbia	MD		

US-CL-CURRENT: 600/410; 324/307, 324/309, 324/318, 600/411, 600/423

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 7. Document ID: US 5715822 A

L19: Entry 7 of 11

File: USPT

Feb 10, 1998

US-PAT-NO: 5715822

DOCUMENT-IDENTIFIER: US 5715822 A

TITLE: Magnetic resonance devices suitable for both tracking and imaging

DATE-ISSUED: February 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Watkins; Ronald Dean	Niskayuna	NY		
Dumoulin; Charles Lucian	Ballston Lake	NY		

US-CL-CURRENT: 600/422; 128/899, 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. D.
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☐ 8. Document ID: US 5572130 A

L19: Entry 8 of 11

File: USPT

Nov 5, 1996

US-PAT-NO: 5572130

DOCUMENT-IDENTIFIER: US 5572130 A

TITLE: Method and apparatus for the production of an NMR tomography image using an array of surface coils and multiplexers

DATE-ISSUED: November 5, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ratzel; Dieter	Rheinstetten			DE

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. D.
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☐ 9. Document ID: US 5560360 A

L19: Entry 9 of 11

File: USPT

Oct 1, 1996

US-PAT-NO: 5560360

DOCUMENT-IDENTIFIER: US 5560360 A

**** See image for Certificate of Correction ****

TITLE: Image neurography and diffusion anisotropy imaging

DATE-ISSUED: October 1, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Filler; Aaron G.	Seattle	WA		
Tsurda; Jay S.	Mercer Island	WA		
Richards; Todd L.	Seattle	WA		
Howe; Franklyn A.	London			GB2

US-CL-CURRENT: 600/408; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. D.
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☐ 10. Document ID: US 5086275 A

L19: Entry 10 of 11

File: USPT

Feb 4, 1992

US-PAT-NO: 5086275
DOCUMENT-IDENTIFIER: US 5086275 A

TITLE: Time domain filtering for NMR phased array imaging

DATE-ISSUED: February 4, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Roemer; Peter B.	Schenectady	NY		

US-CL-CURRENT: 324/309; 324/318, 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Drawings
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☐ 11. Document ID: US 4812760 A

L19: Entry 11 of 11

File: USPT

Mar 14, 1989

US-PAT-NO: 4812760
DOCUMENT-IDENTIFIER: US 4812760 A

TITLE: Multi-dimensional selective NMR excitation with a single RF pulse

DATE-ISSUED: March 14, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bottomley; Paul A.	Clifton Park	NY		
Hardy; Christopher J.	Schenectady	NY		
O'Donnell; Matthew	Schenectady	NY		
Roemer; Peter B.	Schenectady	NY		

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Drawings
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Term	Documents
(12 NOT 14).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	11
(L12 NOT L14).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	11

Display Format:

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Search Results - Record(s) 1 through 27 of 27 returned.

☐ 1. Document ID: US 6737866 B2

Using default format because multiple data bases are involved.

L21: Entry 1 of 27

File: USPT

May 18, 2004

US-PAT-NO: 6737866

DOCUMENT-IDENTIFIER: US 6737866 B2

TITLE: Method of imaging a vasculature of a patient

DATE-ISSUED: May 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Belt; Kenneth W.	Fort Atkinson	WI		
Reichel; Michael	Pittsburgh	PA		
Watral; J. Michael	Freeport	PA		
Lewandowski; Stanley R.	Cheswick	PA		
Adams; Bradley J.	West Leechburg	PA		
Augustine; Lisa A.	Okauchee	WI		
Bell, Jr.; Robert S.	Pittsburgh	PA		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MM	Draw
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☐ 2. Document ID: US 6714012 B2

L21: Entry 2 of 27

File: USPT

Mar 30, 2004

US-PAT-NO: 6714012

DOCUMENT-IDENTIFIER: US 6714012 B2

TITLE: Apparatus and method for positioning a patient to obtain images of the vasculature

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Belt; Kenneth W.	Fort Atkinson	WI		

Reichel; Michael	Pittsburgh	PA
Watral; J. Michael	Freeport	PA
Lewandowski; Stanley R.	Cheswick	PA
Adams; Bradley J.	W. Leechburg	PA
Augustine; Lisa A.	Okauchee	WI
Bell, Jr.; Robert S.	Pittsburgh	PA

US-CL-CURRENT: 324/318; 324/322, 600/421

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 3. Document ID: US 6701177 B2

L21: Entry 3 of 27

File: USPT

Mar 2, 2004

US-PAT-NO: 6701177

DOCUMENT-IDENTIFIER: US 6701177 B2

TITLE: Flexible, region-selectable inherently de-coupled sandwiched solenoidal array coil

DATE-ISSUED: March 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Su; Sunyu	South San Francisco	CA		

US-CL-CURRENT: 600/422; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 4. Document ID: US 6650926 B1

L21: Entry 4 of 27

File: USPT

Nov 18, 2003

US-PAT-NO: 6650926

DOCUMENT-IDENTIFIER: US 6650926 B1

TITLE: Flexible multi-section MRI radio frequency array coil

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chan; Pei Hsuan	Aurora	OH		
Zou; Mark Xueming	Aurora	OH		

US-CL-CURRENT: 600/422; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. De
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☐ 5. Document ID: US 6624633 B1

L21: Entry 5 of 27

File: USPT

Sep 23, 2003

US-PAT-NO: 6624633

DOCUMENT-IDENTIFIER: US 6624633 B1

TITLE: Disjunct MRI array coil system

DATE-ISSUED: September 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zou; Mark X.	Chesterland	OH		
Stickle; Thomas	Willoughby Hills	OH		
Wrenn; James J.	Shaker Heights	OH		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. De
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☐ 6. Document ID: US 6534983 B1

L21: Entry 6 of 27

File: USPT

Mar 18, 2003

US-PAT-NO: 6534983

DOCUMENT-IDENTIFIER: US 6534983 B1

TITLE: Multi-channel phased array coils having minimum mutual inductance for magnetic resonance systems

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boskamp; Eddy B.	Menomonee Falls	WI		
Li; Shizhe	Brookfield	WI		
Cline; Harvey E.	Schenectady	NY		
Giaquinto; Randy O.	Burnt Hills	NY		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. De
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☐ 7. Document ID: US 6438402 B1

L21: Entry 7 of 27

File: USPT

Aug 20, 2002

US-PAT-NO: 6438402
DOCUMENT-IDENTIFIER: US 6438402 B1

TITLE: Step-tapered flexible peripheral coil

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hashoian; Ralph	Brookfield	WI		
Bluma; Janette A.	Pewaukee	WI		

US-CL-CURRENT: 600/410; 324/318, 324/319, 324/320, 324/322, 600/421, 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Drawings
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☐ 8. Document ID: US 6377836 B1

L21: Entry 8 of 27

File: USPT

Apr 23, 2002

US-PAT-NO: 6377836
DOCUMENT-IDENTIFIER: US 6377836 B1

TITLE: RF coil array for vertical field MRI

DATE-ISSUED: April 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Arakawa; Mitsuaki	Hillsborough	CA		
Carlson; Joseph W.	Kensington	CA		
Kaufman; Leon	San Francisco	CA		
Reveaux; James V.	San Francisco	CA		

US-CL-CURRENT: 600/422; 324/318, 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Drawings
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☐ 9. Document ID: US 6300761 B1

L21: Entry 9 of 27

File: USPT

Oct 9, 2001

US-PAT-NO: 6300761
DOCUMENT-IDENTIFIER: US 6300761 B1

TITLE: Antenna array for magnetic resonance examinations

DATE-ISSUED: October 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hagen; Juergen	Erlangen			DE
Kreischer; Ludwig	Dormitz			DE
Reykowski; Arne	Erlangen			DE

US-CL-CURRENT: 324/318; 600/421

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. Dc
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☐ 10. Document ID: US 6226545 B1

L21: Entry 10 of 27

File: USPT

May 1, 2001

US-PAT-NO: 6226545

DOCUMENT-IDENTIFIER: US 6226545 B1

TITLE: RF coil structure for intra-cavity use in magnetic resonance imaging

DATE-ISSUED: May 1, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gilderdale; David John	South Devon	TQ13 9LF		GB

US-CL-CURRENT: 600/423; 128/899, 439/909, 600/431, 600/433

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. Dc
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☐ 11. Document ID: US 6198962 B1

L21: Entry 11 of 27

File: USPT

Mar 6, 2001

US-PAT-NO: 6198962

DOCUMENT-IDENTIFIER: US 6198962 B1

TITLE: Quadrature detection coil for interventional MRI

DATE-ISSUED: March 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Su; Sunyu	South San Francisco	CA		

US-CL-CURRENT: 600/422; 324/318, 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. Dc
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☐ 12. Document ID: US 6177797 B1

L21: Entry 12 of 27

File: USPT

Jan 23, 2001

US-PAT-NO: 6177797

DOCUMENT-IDENTIFIER: US 6177797 B1

TITLE: Radio-frequency coil and method for resonance/imaging analysis

DATE-ISSUED: January 23, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Srinivasan; Ravi	Richmond Heights	OH		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NUMC	Draw. Use
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☐ 13. Document ID: US 6163717 A

L21: Entry 13 of 27

File: USPT

Dec 19, 2000

US-PAT-NO: 6163717

DOCUMENT-IDENTIFIER: US 6163717 A

TITLE: Open structure breast coil and support arrangement for interventional MRI

DATE-ISSUED: December 19, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Su; Sunyu	South San Francisco	CA		

US-CL-CURRENT: 600/422; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NUMC	Draw. Use
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☐ 14. Document ID: US 6150816 A

L21: Entry 14 of 27

File: USPT

Nov 21, 2000

US-PAT-NO: 6150816

DOCUMENT-IDENTIFIER: US 6150816 A

TITLE: Radio-frequency coil array for resonance analysis

DATE-ISSUED: November 21, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Srinivasan; Ravi	Richmond Heights	OH		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 15. Document ID: US 6137291 A

L21: Entry 15 of 27

File: USPT

Oct 24, 2000

US-PAT-NO: 6137291

DOCUMENT-IDENTIFIER: US 6137291 A

TITLE: Telescoping coil array for magnetic resonance imaging of extremities

DATE-ISSUED: October 24, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Szumowski; Jerzy	Portland	OR		
Kojima; Kryss	Portland	OR		

US-CL-CURRENT: 324/318; 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 16. Document ID: US 6084411 A

L21: Entry 16 of 27

File: USPT

Jul 4, 2000

US-PAT-NO: 6084411

DOCUMENT-IDENTIFIER: US 6084411 A

TITLE: Flexible lightweight attached phased-array (FLAP) receive coils

DATE-ISSUED: July 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Giaquinto; Randy Otto John	Burnt Hills	NY		
Dumoulin; Charles Lucian	Ballston Lake	NY		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 17. Document ID: US 5973496 A

L21: Entry 17 of 27

File: USPT

Oct 26, 1999

US-PAT-NO: 5973496

DOCUMENT-IDENTIFIER: US 5973496 A

TITLE: Device to detect magnetic resonance in the time domain

DATE-ISSUED: October 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chandrakumar; Narayanan	Chennai			IN
Raman; Syamalam Venkata	Chennai			IN

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Drawings
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☐ 18. Document ID: US 5905378 A

L21: Entry 18 of 27

File: USPT

May 18, 1999

US-PAT-NO: 5905378

DOCUMENT-IDENTIFIER: US 5905378 A

TITLE: Flexible lightweight attached phased-array (FLAP) receive coils

DATE-ISSUED: May 18, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Giaquinto; Randy Otto	Burnt Hills	NY		
Dumoulin; Charles Lucian	Ballston Lake	NY		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Drawings
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☐ 19. Document ID: US 5861749 A

L21: Entry 19 of 27

File: USPT

Jan 19, 1999

US-PAT-NO: 5861749

DOCUMENT-IDENTIFIER: US 5861749 A

TITLE: Magnetic resonance apparatus with phased measuring coil system

DATE-ISSUED: January 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Van Heelsbergen; Teunis R.	Eindhoven			NL

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 20. Document ID: US 5767677 A

L21: Entry 20 of 27

File: USPT

Jun 16, 1998

US-PAT-NO: 5767677

DOCUMENT-IDENTIFIER: US 5767677 A

TITLE: Suppression of radiation damping in NMR

DATE-ISSUED: June 16, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; Weston A.	Palo Alto	CA		

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 21. Document ID: US 5757189 A

L21: Entry 21 of 27

File: USPT

May 26, 1998

US-PAT-NO: 5757189

DOCUMENT-IDENTIFIER: US 5757189 A

TITLE: Arbitrary placement multimode coil system for MR imaging

DATE-ISSUED: May 26, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Molyneaux; David A.	Mentor	OH		
Braum; William O.	Solon	OH		
Kristoff; James W.	Lyndhurst	OH		

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 22. Document ID: US 5755667 A

L21: Entry 22 of 27

File: USPT

May 26, 1998

US-PAT-NO: 5755667

DOCUMENT-IDENTIFIER: US 5755667 A

TITLE: Mammography antenna for nuclear magnetic resonance examinations

DATE-ISSUED: May 26, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Friedrich; Axel	Nuernberg			DE

US-CL-CURRENT: 600/421; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des
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☐ 23. Document ID: US 5682098 A

L21: Entry 23 of 27

File: USPT

Oct 28, 1997

US-PAT-NO: 5682098

DOCUMENT-IDENTIFIER: US 5682098 A

TITLE: Open quadrature whole volume imaging NMR surface coil array including three figure-8 shaped surface coils

DATE-ISSUED: October 28, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vij; Kamal	Phoenix	AZ		

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des
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☐ 24. Document ID: US 5592088 A

L21: Entry 24 of 27

File: USPT

Jan 7, 1997

US-PAT-NO: 5592088DOCUMENT-IDENTIFIER: US 5592088 A

TITLE: Multiple-coil adopting a quadrature detection method applied thereto and a signal processing circuit employing the same in an MRI apparatus in a vertical magnetic system

DATE-ISSUED: January 7, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Matsunaga; Yoshikuni	Hachioji			JP

Takahashi; Tetsuhiko Soka JP
Yamamoto; Etsuji Akishima JP

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw	Doc
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☐ 25. Document ID: US 5548218 A

L21: Entry 25 of 27

File: USPT

Aug 20, 1996

US-PAT-NO: 5548218

DOCUMENT-IDENTIFIER: US 5548218 A

TITLE: Flexible RF coils for MRI system

DATE-ISSUED: August 20, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lu; Dongfeng	Williston Park	NY		

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw	Doc
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☐ 26. Document ID: US 5592088 A

L21: Entry 26 of 27

File: DWPI

Jan 7, 1997

DERWENT-ACC-NO: 1997-086769

DERWENT-WEEK: 199708

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TITLE: RF probe for MRI imaging in vertical magnetic field - has array coil formed by arranging unit coils, which can be driven independently of one another, facilitating quadrature detection

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw	Doc
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☐ 27. Document ID: US 5548218 A

L21: Entry 27 of 27

File: DWPI

Aug 20, 1996

DERWENT-ACC-NO: 1996-392734

DERWENT-WEEK: 199639

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TITLE: Flexible RF coil construction for medical MRI system esp. for lower limb angiography - uses butterfly and single loop coils, with flexible and fixed loops

over longitudinal field of view, and processor of phase signals array to generate image

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMIC	Drawings
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Term	Documents
"5592088"	11
5592088S	0
"5548218"	18
5548218S	0
("5592088" OR "5548218").PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	27
(5592088 OR 5548218).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	27

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